



Louisville and Jefferson County Metropolitan Sewer District  
700 West Liberty Street  
Louisville Kentucky 40203-1911  
502-540-6000  
[www.msdouky.org](http://www.msdouky.org)

May 27 2014

Ms. Donna Seadler  
Remedial Project Manager  
Kentucky/Tennessee Section  
U.S. Environmental Protection Agency  
Region IV  
61 Forsyth Street  
Atlanta, GA 30303

**Re: Report of Field Observation – FY14 – First Quarter (FY14-3Q)  
Lees Lane Superfund Site, Jefferson County, Kentucky,  
Administrative Order on Consent, USEPA Docket No-91-32-C**

Dear Ms. Seadler

In accordance with paragraph 11, under Reporting Requirements, of the subject Consent Order and Attachment 1, Operation and Maintenance Plan For Post-Removal Site Control at the Lees Lane Landfill Site. I am enclosing one (1) copy of the Report of Field Observation (Appendix J), identified as Observation Report No FY14-3, for your information and files.

Please advise if you have any questions concerning the attached Report of Field Observation for FY14-3Q.

Sincerely,

Richard H. Watkins, Sr.  
Sanitary Supervisor  
RHW/rw  
Lees-14-3Q

Enc.

cc: Kentucky National Resource Environment Protection Cabinet  
Mr. Daniel Phelps, Division of Waste Management  
Lees Lane File



10995089

Beneficial Use of Louisville's Biosolids  
[www.louisvillegreen.com](http://www.louisvillegreen.com)

**REPORT OF FIELD OBSERVATION  
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY**

**Observation Report No.: FY14-3Q**

**Date of Observation: 03/19/14**

**Instruction:** If any item is checked yes, provide details of the problem and maintenance recommendations below and indicate the location of deficiency on the site map provided.

**Comment No.:**

**Comment**

- |     |  |
|-----|--|
| A-4 | Observed that the access road to gas collection Well No. 5 needs to resurfaced with new gravel   |
| B-1 | Condition of the Lee's Lane barricade remains unchanged from previous quarterly institutional inspections.   |
| B-2 | Condition of the Putnam Avenue barricade remains unchanged from previous quarterly institutional inspections. Intrusions into the landfill site and flood protection levee areas by ATVs from the woods adjacent to the Putnam Avenue barricade are still in evidence. |
| B-4 | No evidence of lock disturbance  |

**Comment No.**

**Corrective Action Performed**

- |     |  |
|-----|--|
| A-4 | Schedule gravel resurfacing during early FY15-1Q.  |
| B-1 | Continue to observe condition of the Lee's Lane barricade during future quarterly institutional inspections. Schedule painting of Lee's Lane barricade during FY15-1Q.   |
| B-2 | Continue to observe condition of the Putnam Avenue barricade during future quarterly institutional inspections. Replace damaged "No Trespass – Hazardous Materials – Keep Out" signs at strategic locations along the access roads and Mill Creek cut-off channel areas in an effort to discourage ATV intrusions and trespass into the landfill and levee area sites. |
| B-4 | No corrective action required at this time.  |

**Comment No.:****Comment**

- C-2 No evidence of small arms fire damage to the warning signs or other exposed fixtures on the Blower House.
- D-2 Observed two guard rails that need to be re-welded around all gas monitoring well on land side of Floodwall Level.
- D-3 Observed that protective casings for all gas monitoring well are rusting.
- D-6 Observed some excess vegetation growth around two of the gas monitoring well enclosures.
- D-8 Monitoring wells tubing, fittings, and valves were not directly observed but any external damage or disturbance to enclosures was evident. .

**Comment No.****Corrective Action Performed**

- C-2 No corrective action required at this time.
- D-2 Schedule guard rails to be re-welded early FY15-1Q or before.
- D-3 Schedule painting of gas monitoring wells protective casings during FY15-1Q or before.
- D-8 Monitoring well tubing, fittings, and valves were not directly observed but no external damage or disturbance to enclosures was evident. Condition of tubing, fittings, and valves will be determined during the scheduled FY14-4Q sampling program efforts

**Comment No.:****Comment**

- F-4 Observed areas of inadequate grass cover from intrusion of ATV's.
- F-5 Inspection followed a recent rain event; there was no evidence of ponding water except in ruts left by ATVs.

**Comment No.****Corrective Action Performed**

- F-4 Monitor areas of inadequate grass cover on future inspections backfill and seed as necessary
- F-5 Condition of ruts left by ATVs and other vehicles should be monitored at future quarterly institutional inspections and backfilled as necessary.

FY14-3Q



**REPORT OF FIELD OBSERVATION**  
**LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY**

Observation Report No: FY14-3Q Date of Observation 03/19/14  
Time Arrived Onsite: 10:02 AM Time Departed Site: 11:50 AM  
Field Personnel: RICHARD H. WATKINS, SEWER MAINTENANCE SUPERVISOR,  
HEATHER DODDS, Project Administrator

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**Section A: General Site Conditions**

Observations:	<u>Yes*</u>	<u>No</u>	<u>Not Observed</u>	<u>Comment No.</u>
1. Major settlement of topsoil or erosion exposing waste/fill material	—	—	—	—
2. Evidence of leachate seepage	—	—	—	—
3. Distressed Vegetation	—	—	—	—
4. Pot holes, erosion of access road	<u>xx</u>	—	—	<u>A-4</u>

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**Section B: Institutional Controls**

Observations:	<u>Yes*</u>	<u>No</u>	<u>Not Observed</u>	<u>Comment No.</u>
1. Structural problem with Lee's Lane gate or barricade	—	<u>xx</u>	—	<u>B-1</u>
2. Structural problem with Putman Ave. barricade	<u>xx</u>	—	—	<u>B-2</u>
3. Lee's Lane gate unlocked	—	—	—	—
4. Broken or missing lock	—	<u>xx</u>	—	<u>B-4</u>

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**Section C: Gas Collection System**

Observations:	<u>Yes*</u>	<u>No</u>	<u>Not Observed</u>	<u>Comment No.</u>
1. Vandalism to blower house wells, or moisture traps	—	—	—	—
2. Structural damage to blower house	—	<u>xx</u>	—	<u>C-2</u>
3. Blower not operating or visible damage	—	—	—	—
4. Blower house not secure and unclean	—	—	—	—

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Observations:	<u>Yes*</u>	<u>No</u>	<u>Not Observed</u>	<u>Comment No.</u>
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5.	Service box lids not in place	—	—	—	—
6.	Alarm and blower controls not functioning	—	—	—	—
7.	Settlement or tilting of well/moisture trap concrete collars	—	—	—	—
8.	Well/moisture trap covers missing or damaged	—	—	—	—
9.	Excessive vegetation covering wells/moisture traps	—	—	—	—
10.	Adjustment valve inaccessible	—	—	—	—
11.	Well/moisture trap caps, plugs, and piping missing	—	—	—	—
12.	Blower house and well/moisture trap signs missing or damaged	—	—	—	—

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**Section D: Groundwater & Gas Monitor Wells**

Observations:	<u>Yes*</u>	<u>No</u>	<u>Not Observed</u>	<u>Comment No.</u>
1. Wells unlocked	—	—	—	—
2. Guard posts and rails missing or damaged	<u>XX</u>	—	—	<u>D-2</u>
3. Protective casing missing, damaged or rusted	<u>XX</u>	—	—	<u>D-3</u>
4. Concrete pads damaged or cracked	—	—	—	—
5. Possible surface water infiltration into wells	—	—	—	—
6. Excessive vegetation or debris around wells	—	—	—	—
7. Well cap missing or damaged	—	—	—	—
8. Tubing, fittings, and valves missing or damaged (gas wells only)	—	<u>XX</u>	—	<u>D-8</u>

**Section E: Bank Protection Controls**

Observations:	<u>Yes*</u>	<u>No</u>	<u>Not</u>	Comment
			<u>Observed</u>	
1. Subsidence of slope, sloughing or caving	—	—	—	—
2. Erosion of rip-rap or underlying material	—	—	—	—
3. Abnormally damp areas, wet ground vegetation	—	—	—	—
4. Soft spots in surface	—	—	—	—
5. Seepage, water flow, piping, or sand boils	—	—	—	—
6. Undermining of rip-rap	—	—	—	—
7. Vegetative growth on rip-rap slope	—	—	—	—
8. Buildup of trash and debris on rip-rap	—	—	—	—
9. Exposed trash or filter fabric	—	—	—	—
10. Tilting trees	—	—	—	—
11. Tension cracks	—	—	—	—
12. Survey monuments missing or damaged	—	—	—	—

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**Section F:        Surface Waste Cleanup/Cover**

Observations:	<u>Yes*</u>	<u>No</u>	<u>Not</u>	Comment
			<u>Observed</u>	
1. Swales greater than 1 foot wide and 2 inches deep	—	—	—	—
2. Cracks greater than 1 inch wide and 6 inches deep	—	—	—	—
3. Areas of erosional damage to grass	—	—	—	—
4. Inadequate grass cover (area > 36 ft <sup>2</sup> )	<u>XX</u>	—	—	<u>F-4</u>
5. Ponded water (area larger than 2 feet in diameter and 3 inches deep)	<u>XX</u>	—	—	<u>F-5</u>
6. Erosion or ponded water greater than 12 inches deep (requires immediate repair)	—	—	—	—

\*If yes, assign a comment no. in the last column and follow instructions on comment sheet.

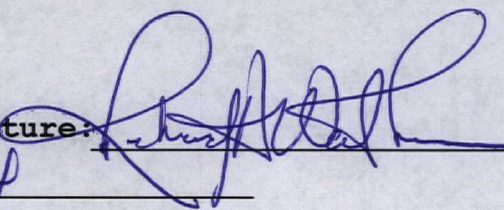
**REPORT OF FIELD OBSERVATION  
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY**

Observation Report No: FY14-3Q

Date of Observation 03/19/14

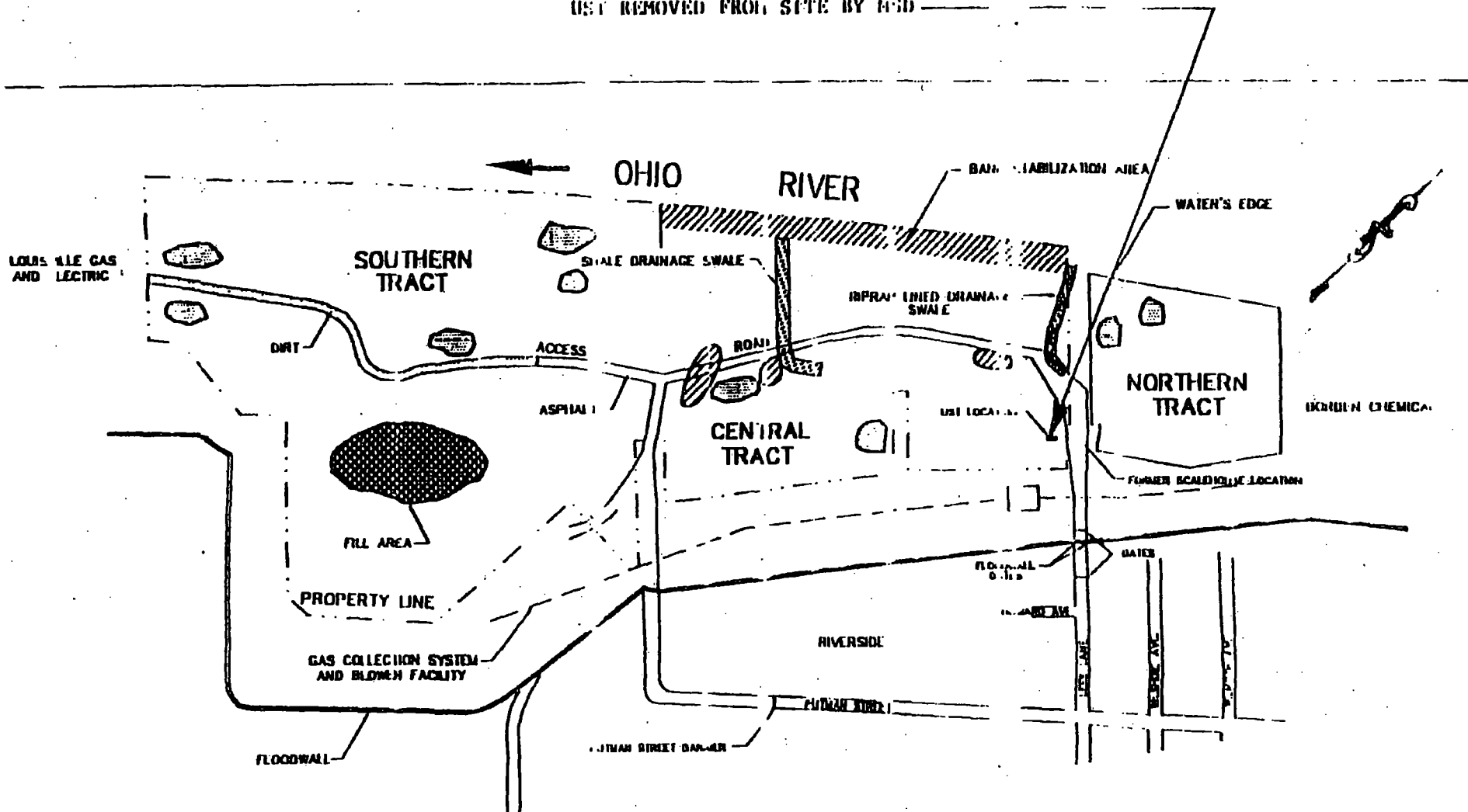
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Site Map

Observer's Signature: 

Date: 3/27/14







DRAWING NOT TO SCALE  
SOURCE: RESOURCES APPLICATIONS, INC.

ARCS / LEE'S LANE LANDFILL  
LOUISVILLE, KENTUCKY

### FEATURE MAP

FIGURE 2-1

### LEGEND

-  APPROXIMATE AREA OF DRILL REBURIAL DURING CERCLA REMOVAL
-  AREA OF SUBSIDENCE

ROY F. VESTON, INC.



DRAWN	WRS	DATE	9/1/	D.F.S. EINH	DATE	7. D. NO.
CHECKED		DATE		APPROVED	DATE	04400-08
						DWG. NO.
						LEES 2-1